

BISHOP AUCKLAND

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URBAN DISTRICT COUNCIL.

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REPORT

OF THE

Medical Officer of Health,

**T. A. McCULLAGH,**

M.R.C.S., L.R.C.P., ETC.,

Fellow of the Incorporated Society of Medical Officers of Health,

FOR THE YEAR 1907.

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BISHOP AUCKLAND :

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TO THE MEMBERS OF THE COUNCIL,

GENTLEMEN,

In 1907, 285 deaths were registered in the District. Thirty-eight of these were deaths of non-residents which occurred in Public Institutions in the Town, namely, the Workhouse and the Lady Eden Hospital. Two deaths of residents took place outside the Town in Public Institutions, the County Asylum and Durham Hospital. The nett deaths at all ages therefore which have to be considered in calculating averages number 249.

The population, estimated to the middle of 1907, is 12,969, and the death rate per 1,000 per annum is 19.1, which is practically the same as the previous year, and fractionally more than the average since 1900.

Sixty-nine children under one year of age died, and in accordance with the Local Government Board's directions, these deaths have been carefully analysed. The most frequent causes of the Infantile Mortality are Wasting Diseases, such as Atrophy, Debility and Marasmus, and

Bronchitis. Nine deaths are due to premature Birth, 4 to Measles, and 8 to Diarrhoea and Enteritis. In consequence of the low temperatures which prevailed during the year, the Diarrhoeal Diseases have been less than usual, but there is an increase in the deaths from Bronchitis, which is probably due to the same cause. The figures relating to the various causes of death are fully set out in Table V at the end of this Report.

During the year, special attention has been directed to the high Infant Mortality in the County of Durham. A Report by Dr. Eustace Hill, which has been sent to all the Health Authorities of the County, was discussed at a Special Meeting of the Urban Council, and it was decided to consider carefully any suggestions Dr. Hill may make for combined action to bring about a reduction of the Mortality. Our Infant Mortality Rate for 1907 was 172, which is above our average for the last 10 years, and is above the average for the County. This has been caused by the large number of deaths from Bronchitis (13), Premature Birth (9), Measles (4), and Whooping Cough (3). It has not been due to any new or specially insanitary conditions of the district. Year after year the main causes of high Infant Mortality in this district are improper feeding, want of domestic care and cleanliness, and insanitary privies, ashpits and yards, and the remedies are those which naturally suggest themselves—instruction in the homes to mothers, and in the schools to children, in the hygiene of domestic life; and continued watchfulness on the part of the authorities to keep the surroundings of dwelling-houses as healthy as possible.

#### ZYMATIC DISEASES.

Measles	..	..	19
Scarlet Fever	..	..	1
Croup (Membranous)	..	..	1
Enteritis	..	..	4
and			
Diarrhoea	..	..	5
Whooping Cough	..	..	4
			—

Had it not been for the large number of deaths from Measles the Mortality from the Zymotic diseases would have been very low. The death-rate is 2.5, which is above the County average for the year. The deaths from Diarrhoeal diseases (9) are below our average. The deaths from Consumption (Phthisis) were 16, and from other Tuberculous diseases 22. The death rates are 1.23 and 1.69 respectively, both above the County average for the year. Whooping Cough was somewhat prevalent, but never epidemic, and the fatal cases were 4 in number. One death was due to Scarlet Fever, and 1 to Membranous Croup. There were 33 deaths from Bronchitis, and 7 from Pneumonia. Thirteen of the fatal cases of Bronchitis were children under 1 year of age. There were 8 deaths from Cancer. Fifteen deaths were caused by various forms of Heart disease, considerably fewer than our average. There were 10 deaths from Epidemic Influenza, which was rather prevalent during the whole of the year. It was chiefly fatal to adults, only two of those who died being under 25 years of age.

### **MEASLES.**

There was an epidemic of Measles in the latter part of September and October, and occasional cases have occurred since, but not in an epidemic form. On the first of October, the attendances at the Elementary Schools were so affected that they were closed, on the usual recommendation, for a fortnight, and at the expiration of that time, there were still so many children ill or absent that they were closed for a further period of 14 days. Measles had been very prevalent in districts in the neighbourhood of Bishop Auckland for some weeks before any cases occurred in the town. As the disease is not notifiable, I am unable to give details of the number of children affected. There were, however, 19 deaths due directly or indirectly to Measles. Most of the fatal cases were complicated with Bronchitis or Pneumonia. In small houses, where there are several children, it is quite impossible to secure any adequate isolation, and one after another

susceptible persons are attacked, and often no medical aid is sought for unless the disease is followed by some complication which causes alarm. On the occurrence of another epidemic, I think it would be well to issue notices calling the attention of parents to the seriousness of Measles, and to the desirability of keeping those affected strictly to bed. There is a tendency to look on Measles as a harmless, necessary event in the life of a child, and to ignore the heavy mortality which accompanies many epidemics.

### **NOTIFICATION OF INFECTIOUS DISEASES.**

Only 48 notifications of Infectious Diseases were received during the year. In the two previous years they were respectively 82 and 132. They were as follows:—

Diphtheria and Membranous Croup	..	16
Erysipelas	..	14
Scarlet Fever	..	8
Enteric..	..	7
Continued Fever	..	2
Puerperal Fever	..	1
		—
		48

None of these diseases ever became epidemic. Amongst the 16 cases of Diphtheria and Membranous Croup there was only one fatality. Erysipelas should be excluded from the list of notifiable diseases. Since the act has been in force, although large numbers of cases are reported, there has been no instance of the infection spreading in a house. The cases of Scarlet Fever were few (8). There was 1 death, the first which has occurred from this disease for some years. It is rarely fatal if ordinary care is taken with the nursing. Many slight cases are probably unnoticed. The cases of Typhoid were the fewest of which I have any record. Seven only were notified, and all but one were treated in the Infectious Hospital. The same absence of the disease was noticed over the

whole county, and was most likely mainly due to the climatic conditions being unfavourable to the Typhoid Bacillus. The Diarrhoeal diseases, which are influenced by the same conditions as Typhoid, were also much below the average.

In all cases notified, except Erysipelas, disinfection has been carefully carried out. Ashpits, privies, and the ground about them, which may have become infected, have been thoroughly cleaned and treated with disinfectants. But however systematically this is done, privy ashpits will always be a source of danger, especially when the weather is favourable to intestinal disorders.

### **THE INFECTIOUS HOSPITAL.**

Twelve cases were treated at the Infectious Hospital, with one death. They were as follows :—

Diphtheria .. ..	1
Scarlet Fever .. ..	5
Enteric .. ..	6
	—
	12

I think the utility of taking Scarlet Fever patients into the Hospital is doubtful. The experience of most large towns is that Isolation Hospitals have done little or nothing to reduce the number of cases. And however slight the attack, the patient has to be kept till all peeling of the skin has ceased, generally a matter of several weeks. In the event of an epidemic, the number of beds at the Hospital would be quite inadequate for the isolation of cases.

The Matron of the Hospital has been seriously ill during the year, but I am glad to say has now recovered, and is superintending the work.

A very excellent Horse Ambulance for the removal of patients has been procured by the Council, and is now in use.

## **BIRTHS.**

The Births registered during the year numbered 400, a slight decrease on the previous year. The Birth-rate is 30.8 per 1,000 of population. The rate for the County is 34.8, and our average for the last 10 years is 32.13. Amongst the working classes the birth-rate is well maintained, but amongst those who are in better circumstances there is a steady decline. The cause is well known, and is noticeable all over England, and indeed in all civilized countries, except amongst Roman Catholics, who do not usually practise the prevention of conception.

## **WATER SUPPLY.**

The Water Supply has been quite ample during the whole of the year. Large quantities have been used for street purposes and for flushing the sewers. During the driest season there has never been any limitation for domestic or other purposes. A Chemical Analysis, made by Messrs. Patterson, was favourable as to its quality for dietetic purposes. A third Filter Bed has been constructed, and there is now ample provision for continuous filtration, while the Beds are cleaned in rotation.

## **SCAVENGING, ASHPITS, Etc.**

The Scavenging of the Streets has been satisfactory. Privies and Ashpits when emptied have been regularly disinfected. The Council is proceeding with the making of Back Streets where necessary. This is of special importance where there are Privies or Privy Ashpits to empty. It is impossible to prevent the soil becoming contaminated during the process unless the street is made. I have again to draw attention to the practice of many householders throwing kitchen and other refuse into the streets. It becomes very offensive in warm and wet weather, and is dangerous to the public health. A few prosecutions would probably have some effect in stopping the nuisance. I do not think the issue of Notices of Prohibition would be of much use. The

Council did this in the case of firing chimneys, but the offensive and dangerous custom is as prevalent as before. The following is a list of streets which have been paved, drained, flagged; kerbed, channelled, and macadamized, under the Private Street Works Act, 1892, during the year :— William Street; Wood Street, through to George Street; Back George Street, East; Back Southgate Street and South Terrace; Back Waldron Street and Edward Street; Back Clarence Street, North; Back Lindsay Street and Ladysmith Street; Lindsay Street; Back Ladysmith Street, North; Back Cockton Hill Road, West, from Bowser Street to Caroline Street. Several other Streets will shortly be proceeded with.

Sixty-three New Houses have been erected during the year, all of which are occupied.

### **COW SHEDS.**

The Cow Sheds in the Urban District are in good condition and kept clean. The greater portion of our milk supply comes however from outside the town. So far as I know the quality of the milk is good, and I have had no reason to attribute any disease to it.

The Slaughter Houses are in good sanitary condition and have been kept clean.

### **INSANITARY PROPERTY.**

Thirty-six letters have been written to various owners to abate nuisances, which have been effective without further proceedings. Thirty-four formal notices have been served by order of the Authority under the Public Health Acts, and twenty-eight nuisances have been abated in consequence. In twenty instances Ash Closets have been substituted for Privy Ashpits, and in thirteen instances tubs have been provided in place of Ashpits.

Under the Housing of the Working Classes' Act, 1890, one dwelling-house has been made habitable after formal notice. Considerable improvements have been made to eight houses at Blue Row, and some are in progress.

### ***UNWHOLE SOME FOOD.***

Forty-eight Rabbits were seized and destroyed as being unfit for food.

### ***PRECAUTIONS AGAINST INFECTIOUS DISEASE.***

Twenty-three houses were disinfected after Infectious Disease, and two lots of Infectious Bedding were dealt with.

### ***FACTORY and WORKSHOPS' ACT, 1901.***

Fifty inspections under this Act have been made during the year, and thirteen New Workshops were added to the Register.

One notice has been served to abate over-crowding, and one Insanitary Water Closet was put in order. At the time of inspection, the Workshops were in a healthy and clean condition.

TABLE I.

# Vital Statistics of Whole District during 1907 and previous Years.

## BISHOP AUCKLAND URBAN DISTRICT.

10

Year.	Births.		Total Deaths registered in the District.		Total Deaths registered in Public Institutions in the District.		Deaths of Non-Residents registered in Public Institutions in the District.		Deaths at all Ages belonging to the District.			
	Population estimated to middle of each Year.	Number.	Under 1 Year of Age.	At all Ages.	Number.	Rate per 100 Births registered.	Number.	Rate*	Number.	Rate*	Number.	Rate*
1	2	3	4	5	6	7	8	9	10	11	12	13
1897	12152	314	28.3	63	183	220	17.3					
1898	12700	353	27.8	59	164	208	16.3					
1899	12850	408	31.6	90	220	290	22.5					
1900	12850	372	28.9	72	193	265	20.6	51	20	3	248	19.2
1901	11966	395	32.9	65	160	271	22.6	52	23	7	256	21.3
1902	12162	389	31.9	59	151	210	18	53	24	9	204	16.7
1903	12310	419	34	59	140	246	19.9	70	42	8	212	17.2
1904	12479	387	31	83	214	310	24.8	64	38	2	274	21.9
1905	12640	389	31.5	46	115	249	19.6	70	31	1	209	17.3
1906	12803	409	32	61	149	286	20.2	75	12	6	244	19
Averages for years 1901-1905												
12558	403	32.13	61	152	272	29.59	68	36	5	237	18.94	
1907	12969	400	30.8	69	172	285	21.9	69	38	2	240	19.1

\* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Total population at all ages, 11,969

Number of inhabited houses, 2,387

Average number of persons per house, 5

Area of District in acres (exclusive of area covered by water), 950.

From 1890 to 1900 the population was over-estimated.

At Census of 1901

TABLE III.

**Cases of Infectious Disease notified during the year 1907.**

BISHOP AUCKLAND URBAN DISTRICT.

Notifiable Disease	CASES NOTIFIED IN WHOLE DISTRICT.						No. of Cases removed to Hospital from each Locality	
	At all Ages	At Ages Years						
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards	
Small-Pox	..	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...
Diphtheria (including Membranous croup)	16	2	3	6	3	2	...	1
Erysipelas	14	..	...	1	...	13	...	...
Scarlet Fever	8	1	3	4	...	...	...	5
Typhus Fever	...	...	...	...	...	...	...	...
Enteric Fever	7	...	1	1	2	3	...	6
Relapsing Fever	...	...	...	...	...	...	...	...
Continued Fever	2	...	1	1	...	...	...	...
Puerperal Fever	1	...	...	...	...	1	...	...
Plague	...	...	...	...	...	...	...	...
<b>Totals</b>	<b>...</b>	<b>48</b>	<b>3</b>	<b>8</b>	<b>13</b>	<b>5</b>	<b>19</b>	<b>12</b>

TABLE IV.

## Causes of, and Ages at Death during Year 1907.

BISHOP AUCKLAND URBAN DISTRICT COUNCIL.

Causes of Death	Deaths at the Subjoined Ages of Residents whether occurring in or beyond the District.							Total Deaths whether of Residents or Non-residents in Public Institutions in the District
	All Ages	Under 1 Year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	
Small-Pox	...	...	...	...	...	...	...	
Measles	19	4	13	2	...	...	...	
Scarlet Fever	1	...	1	...	...	...	...	
Whooping Cough	4	3	1	...	...	...	...	
Diphtheria (including Membranous Croup)	...	...	...	...	...	...	...	
Croup, Membranous	1	...	1	...	...	...	...	
Typhus	...	...	...	...	...	...	...	
Fever	...	...	...	...	...	...	...	
Enteric	...	...	...	...	...	...	...	
Other continued	...	...	...	...	...	...	...	
Epidemic Influenza	10	...	...	2	...	7	1	3
Cholera	...	...	...	...	...	...	...	
Plague	...	...	...	...	...	...	...	
Diarrhoea	5	4	1	...	...	...	...	
Enteritis	4	4	...	...	...	...	...	
Puerperal Fever	...	...	...	...	...	...	...	
Erysipelas	...	...	...	...	...	...	...	
Other Septic Diseases	...	...	...	...	...	...	...	
Phthisis (Pulmonary Tuberculosis)	16	...	...	1	3	12	...	2
Other Tubercular Diseases	22	5	7	1	1	8	...	6
Cancer, Malignant Disease	8	...	...	...	...	6	2	3
Bronchitis	33	13	7	...	...	5	8	3
Pneumonia	7	1	...	...	1	5	...	1
Pleurisy	1	...	...	...	...	1	...	
Other Diseases of Respiratory Organs	...	...	...	...	...	...	...	
Alcoholism	1	...	...	...	...	1	...	
Cirrhosis of Liver	1	...	...	...	...	...	...	
Venereal Diseases	1	1	...	...	...	...	...	
Premature Birth	9	9	...	...	...	...	...	
Diseases and Accidents of Parturition	4	...	...	...	1	3	...	1
Heart Diseases	15	...	...	...	2	6	7	6
Accidents	5	...	1	...	2	1	1	8
Suicides	2	...	...	...	...	...	2	2
All other Causes	81	25	6	2	2	20	26	33
All Causes	249	69	38	8	12	75	47	69

**TABLE V.**  
**Infantile Mortality during the Year 1907.**  
**Deaths from stated Causes in Weeks and**  
**Months under One Year of Age.**

BISHOP AUCKLAND URBAN DISTRICT.

CAUSE OF DEATH	BISHOP AUCKLAND URBAN DISTRICT.												Total Deaths under 1 Year			
	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month.	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months
All Causes	13	8	2	1	24	7	2	5	6	5	4	3	4	5	4	69
Certified Causes																
Uncertified Causes																
Common Infectious Diseases																
Small-Pox																
Chicken-Pox																
Measles																
Scarlet Fever																
Diphtheria—Croup																
Whooping Cough																
Diarrhoeal Diseases																
Diarrhoea, all forms	1					1					1	2				4
Enteritis, Muco-enteritis, Gastro-enteritis											2					2
Gastritis, Gastro-intestinal Catarrh							2									2
Wasting Diseases.																
Premature Birth	6	2	1		9											9
Congenital Defects																
Injury at Birth																
Want of Breast-milk, Starvation									1							1
Atrophy, Debility, Marasmus	3	2	1		6	2	3	1		1						13
Tuberculous Diseases.																
Tuberculous Meningitis								1								1
Tuberculous Peritonitis: Tabes Mesenterica															1	1
Other Tuberculous Diseases										1		2				3
Erysipelas																
Syphilis							1									1
Rickets																
Meningitis (not Tuberculous)									1							1
Convulsions	1	1			2	2										4
Bronchitis		2			2		1				1	2	1	4	1	13
Laryngitis																
Pneumonia																1
Suffocation, overlying																1
Other Causes	2	1			3		1		2							6
	13	8	2	1	24	7	2	5	6	5	4	3	4	5	4	69

Births in the year      legitimate, 100  
                                     illegitimate, 31  
                                     legitimate infants, 54  
                                     illegitimate infants, 5  
                                     Deaths from all Causes at all Ages,  
                                     Population, estimated to middle of 1907, 12,969

Annual Report of the Medical Officer of Health for the Year 1907  
 for the Urban District of Bishop Auckland, on the  
 administration of the Factory and Workshop  
 Act, 1901, in connection with

**Factories, Workshops, Laundries, Workplaces  
 and Homework.**

**1—INSPECTION.**

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR  
 INSPECTORS OF NUISANCES.

Premises.	Number of		
	Ins- pec- tions.	Written Notices.	Number of Prosecutions
Factories (Including Factory Laundries)			
Workshops (Including Workshop Laundries)	50	1	
Workplaces			
<b>Total</b>	<b>50</b>	<b>1</b>	

**2—DEFECTS FOUND.**

Particulars.	Number of Defects.		
	Found.	Remedied.	Number of Prosecutions.
Nuisances under the Public Health Acts :—			
Want of Cleanliness	-	-	
Want of Ventilation	-	-	
Overcrowding	-	1	1
Want of Drainage of Floors	-	-	
Other Nuisances			
Sanitary accommodation	1	1	
Offences under the Factory and Workshop Act			
Illegal Occupation of Under- ground Bakehouse	-	-	
Breach of Special Sanitary Requirements for Bake- houses	-	-	
Other Offences	-	-	
<b>Total</b>	<b>2</b>	<b>2</b>	

Total Number of Workshops on Register, 57.

## Summary of Work done in the Inspector of Nuisances Department during the year 1907, in the Urban District of Bishop Auckland.

		Number of Informal written Notices by Inspector.	Number of Formal Notices by Order of Authority.	Number of Nuisances abated after Notice.	General Remarks.
Dwelling-houses and Schools	{ Foul Conditions Structural Defects Overcrowding		1 8 1	1 8 1	
Lodging-houses	-				
Dairies and Milkshops	-				
Cowsheds	-				Privies removed - 41
Bakehouses	-				Ashpits removed - 17
Slaughter-houses	-				Water Closets provided - 2
Ashpits and Privies	-		13	8	Additional W. C.'s provided - 2
Deposits of Refuse and Manure	-				Ash Closets provided 20
Waterclosets	-				Tubs substituted in place of Ashpits 13
Defective Yard Paving	-		7	6	Yard Pavements relaid 31
House Drainage	{ Defective Traps No Disconnection from Sewers Other Faults			2 2	New Gully Traps inserted - 16
Water Supply	-				
Pigsties	-				
Animals Improperly Kept	-				
Offensive Trades	-				
Smoke Nuisances	-				
Other Nuisances	-				
Totals	-		36	28	

## ***II. Housing of the Working Classes Act, 1890.***

Formal Notices served	-	-	-	1
Dwellings dealt with	-	-	-	1
Dwellings made habitable after formal notice	-	-	-	1
Closing Orders applied for	-	-	-	
Closing Orders granted by Magistrates	-	-	-	
Dwellings permanently closed	-	-	-	

## Summary—continued.

III.	Number
Number of New Houses erected during the year	63
Number of such Houses occupied during the year	63

## VI. Water, Food and Drugs.

Samples of Water taken for Analysis	—	—
" condemned as unfit for use	—	48
Seizures of Unwholesome Food	—	rabbits
Convictions for exposing or selling Unwholesome Food	—	—
Samples of Food and Drugs taken for Analysis	—	—
" " found Adulterated	—	—

## V. Precautions Against Infectious Disease.

Lots of Infectious Bedding stoved or destroyed	2	—
Houses disinfected after Infectious Disease	—	23
Schools	—	—
Prosecutions for exposure of infected persons or things	—	—
Convictions for	" " "	—

I am, Gentlemen,

Your obedient Servant,

**T. A. McCULLAGH,**

Bishop Auckland.

M.O.H.

February, 1908.

## ESSEX COUNTY COUNCIL.

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SUMMARY OF WORK done through the Sanitary Inspector in the Rural Sanitary District of Billericay (Western Division) during the year ending December 31st, 1907.

- 31 Complaints received.
- 151 Nuisances detected without complaint.
- 138 Nuisances abated.
- 30 Notices served.
  - Summons taken out, nil.
  - Convictions, nil.
- 296 Cottages inspected.
  - Lodging-houses inspected, none in district.
- 6 Slaughter-houses inspected.
- 10 Bakehouses inspected.
- 36 Dairies and Milk Shops inspected.
- 76 Cowsheds inspected.
- 22 Workshops inspected.
  - Filthy houses cleansed, sec. 46 Public Health Act, 1875, nil.
- 26 Houses disinfected.
  - 1 Overcrowding abated.
  - 3 Houses placed in habitable repair.
  - 1 House closed.
- 13 Houses erected or rebuilt for which Water "Certificates" were applied.
- 13 "Certificates" granted.
  - 1 Well sunk, or improved supply of Water afforded.
  - 5 Wells cleaned or repaired.
    - Wells closed, nil.
- 15 Houses connected with sewers.
- 23 Houses connected with water mains.
- 19 Earth, pail, or improved Privies constructed or existing Privies altered.
- 25 Privies and W.C.'s repaired ; W.C.'s supplied with water.
- 2 Cisterns cleansed, repaired, or covered.
- 1 Animal improperly kept removed
- 11 Samples of water taken for Analysis
  - Compensation paid for destruction of infected bedding, 25s.
- 1 Seizure of unsound Meat

(Signed) SAMUEL J. SHELLEY.

## ESSEX COUNTY COUNCIL.

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SUMMARY OF WORK done through the Sanitary Inspector in the Eastern Sanitary District of Billericay during the year ending December 31st, 1907.

- 14 Complaints received
- 153 Nuisances detected without complaint
- 137 Nuisances abated
- 48 Notices served
- 5 Summons taken out
- 5 Convictions
- 185 Cottages inspected
  - Lodging-houses inspected, nil
  - 7 Slaughter-houses inspected
- 11 Bakehouses inspected
- 3 Dairies and Milk Shops inspected
- 23 Cowsheds inspected
  - Workshops inspected, nil
- 3 Filthy houses cleansed, sec. 46 Public Health Act, 1875
- 26 Houses disinfected
- 2 Overcrowding abated
- 1 House placed in habitable repair
- 2 Houses closed
- 70 Houses erected or re-built for which Water "Certificates" were applied
- 21 "Certificates" granted
- 49       ,,       deferred
  - Wells sunk or improved supplies of Water afforded, nil
  - 3 Wells cleansed or repaired
  - 1 Well closed
    - Crays Hill Public Well (Dry)
- 13 Houses connected with sewers
- 11       ,,       with water mains
- 23 Earth, pail, or improved Privies constructed or existing Privies altered
- 12 Privies and W.C.'s repaired; W.C.'s supplied with water
  - Cisterns cleansed, repaired or covered, nil
- 1 Animal improperly kept removed
- 2 Samples of water taken for Analysis
  - Compensation paid for destruction of infected bedding, nil
  - Seizure of unsound Meat, &c. nil

(Signed) R. J. W. LAYLAND.